

**Hydrogenation catalyst****Abstract**

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A material useful as catalyst for the hydrogenation of alpha, omega-dinitriles comprises

(a) iron or a compound based on iron or mixtures thereof,

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(b) from 0.001 to 0.3% by weight based on (a) of a promoter based on 2, 3, 4 or 5 elements selected from the group consisting of aluminum, silicon, zirconium, titanium and vanadium,

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(c) from 0 to 0.3% by weight based on (a) of a compound based on an alkali and/or alkaline earth metal, and also

(d) from 0.001 to 1% by weight based on (a) of manganese.

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